

WHAT IS CLAIMED IS:

5.3 A1 >
1. A copying machine including an image reading unit and
an image output unit printing out an image read by the
5 image reading unit as a copy, said copying machine
comprising:

an operation section for performing a display through
which an image output apparatus is specified, when said
copying machine is connected to a network to which at least
10 one said image output apparatus excluding said copying
machine is connected;

pattern output means for causing the image output
apparatus specified through said operation section to
output a predetermined test pattern; and

15 correction data generation means for causing the
image reading unit to read the predetermined pattern
output by the image output apparatus specified through
said operation section and generating correction data
used for correcting an image output condition for said
20 image output apparatus specified, based on a result of
reading by said image reading unit,

wherein data for correcting the image output
condition of said image output apparatus is updated with
the correction data generated by said correction data
25 generation means.

2. A copying machine as claimed in claim 1, further

comprising register means for registering the data generated by said correction data generation means in said image output apparatus through the network.

5 3. A copying machine as claimed in claim 1, wherein at least one said image output apparatus performs printing out by means of electro-photographic system.

10 4. A copying machine as claimed in claim 1, wherein at least one said image output apparatus performs printing out by means of ink jet system.

15 5. A copying machine as claimed in claim 1, wherein the test pattern has a plurality of patterns each of which consists of a plurality of units for reading, each unit differing in the image output condition, and units having the same image output condition between the plurality of patterns have different relative position in the output test pattern.

20 6. An image processing system comprising:
image reading means for reading an image;
display means for performing a display for specifying
an image output apparatus connected to a network;
25 input means for executing input for specifying the
image output apparatus displayed by said display means;
and

calibration means for controlling an image output condition for the image output apparatus specified by the input through said input means, based on read data read by said image reading means.

.5

7. An image processing system as claimed in claim 6, wherein said calibration means causes the image output apparatus specified by the input through said input means to output a predetermined test pattern and controls the image output condition based on read data read by said image reading means.

8. An image processing system as claimed in claim 7, wherein a plurality of said image output apparatus are connected to the network and each of the plurality of image output apparatus can be specified through said input means.

9. An image processing system as claimed in claim 8, wherein said calibration means causes the plurality of image output apparatus to output the respective test patterns at the same time.

10. An image processing system as claimed in claim 9, wherein said calibration means causes the plurality of image output apparatus to output the test pattern and respective identification information for identifying

the image output apparatus outputting said test pattern,
together.

11. An image processing system as claimed in claim 10,
5 wherein said calibration means specifies the image output
apparatus according to the identification information and
controls the image output condition of the image output
apparatus specified.

10 12. An image processing system as claimed in claim 11,
wherein said calibration means causes said image reading
means to read respective test patterns output by the
plurality of image output apparatus at one time and
specifies respective image output apparatus according to
15 the identification information read together with the
test pattern.

13. An image processing system as claimed in claim 12,
wherein said identification information includes symbol
20 series as the information.

14. An image processing system as claimed in claim 12,
wherein said identification information includes a
barcode as the information.

25 15. An image processing system as claimed in claim 12,
wherein said identification information includes a

network address of the image output apparatus connected to the network, as the information.

16. An image processing system as claimed in claim 7,
5 wherein the test pattern has a plurality of patterns each of which consists of a plurality of units for reading, each unit differing in the image output condition, and units having the same image output condition between the plurality of patterns have different relative position
10 in the output test pattern.

17. An image processing system comprising:
image reading means for reading an image;
control means for controlling an operation of each
15 of a plurality of image output apparatuses connected to a network;

specifying means for specifying at least one of the image output apparatus from the plurality of image output apparatuses; and

20 calibration means for controlling an image output condition for the image output apparatus specified by said specifying means, based on read data read by said image reading means.

sub A1 > 25 18. An image processing system as claimed in claim 17, wherein said specifying means includes search means for searching the plurality of image output apparatuses,

display means for displaying an identification
information for identifying the image output apparatus
searched by said search means in a list formation and
operation means for selecting one of the image output
5 apparatus from the list displayed by display means.

19. An image processing system as claimed in claim 17,
wherein said control means controls the plurality of image
output apparatuses to output respective predetermined
10 test patterns at the same time, said specifying means
specifies a relation between the test pattern output and
the image output apparatus outputting said test pattern,
and said calibration means controls the respective image
output conditions of the image output apparatuses, based
15 on read data of the test pattern, in the relation specified,
read by said image reading means.

20. An image processing method of performing image
processing using image reading means, comprising the
20 steps of:

performing a display for specifying an image output
apparatus connected to a network; and

performing calibration for controlling an image
output condition of the image output apparatus specified
25 through the display.

21. An image processing method as claimed in claim 20,

wherein said step for calibration causes the image output apparatus specified by the input through said step for display to output a predetermined test pattern and controls the image output condition based on read data
5 read by the image reading means.

22. An image processing method as claimed in claim 21, wherein a plurality of said image output apparatus are connected to the network and each of the plurality of image
10 output apparatus can be specified through said step for display.

23. An image processing method as claimed in claim 22, wherein said step for calibration causes the plurality
15 of image output apparatus to output the respective test patterns at the same time.

24. An image processing method as claimed in claim 23, wherein said step for calibration causes the plurality
20 of image output apparatus to output the test pattern and respective identification information for identifying the image output apparatus outputting said test pattern, together.

25. An image processing method as claimed in claim 24, wherein said step for calibration specifies the image output apparatus according to the identification

information and controls the image output condition of the image output apparatus specified.

26. An image processing method as claimed in claim 25,
5 wherein said step for calibration causes the image reading means to read respective test patterns output by the plurality of image output apparatus at one time and specifies respective image output apparatus according to the identification information read together with the
10 test pattern.

27. An image processing method as claimed in claim 26,
wherein said identification information includes symbol series as the information.

15 28. An image processing method as claimed in claim 26,
wherein said identification information includes a barcode as the information.

20 29. An image processing method as claimed in claim 26,
wherein said identification information includes a network address or a network identification code, of the image output apparatus connected to the network, as the information.

25 30. An image processing method as claimed in claim 21,
wherein the test pattern has a plurality of patterns each

00545640 022900

of which consists of a plurality of units for reading,
each unit differing in the image output condition, and
units having the same image output condition between the
plurality of patterns have different relative position
5 in the output test pattern.

31. An image processing method of performing image
processing using image reading means, comprising:

10 a step for controlling an operation of each of a
plurality of image output apparatuses connected to a
network;

a step for specifying at least one of the image output
apparatus from the plurality of image output apparatuses;
and

15 a step for controlling an image output condition for
the image output apparatus specified by said specifying
means, based on read data read by said image reading means.

32. An image processing method as claimed in claim 31,
20 wherein said step for specifying includes a search step
for searching the plurality of image output apparatuses,
a display step for displaying an identification
information for identifying the image output apparatus
searched by said search step in a list formation and an
25 operation step for selecting one of the image output
apparatus from the list displayed by said display step.

Sub A₁ > 33. An image processing method as claimed in claim 31,
wherein said step for controlling controls the plurality
of image output apparatuses to output respective
predetermined test patterns at the same time, said step
5 for specifying specifies a relation between the test
pattern output and the image output apparatus outputting
said test pattern, and said step for calibration controls
the respective image output conditions of the image output
apparatuses, based on read data of the test pattern, in
10 the relation specified, read by said image reading means.

34. An image processing apparatus for performing image
processing using image reading means, comprising:

operation means for performing a display for
15 specifying an image output apparatus when said image
processing apparatus is connected to a network to which
said image output apparatus is connected; and

calibration means for controlling an image output
condition of the image output apparatus specified through
20 said operation means, based on read data read by the image
reading means.

35. An image processing apparatus for performing image
processing using image reading means, comprising:

25 control means for controlling an operation of each
of a plurality of image output apparatuses when said image
processing apparatus is connected to a network to which

said plurality of image output apparatuses are connected;
specifying means for specifying at least one of the
image output apparatus from the plurality of image output
apparatus; and

5 calibration means for controlling an image output
condition of the image output apparatus specified by said
specifying means, based on read data read by the image
reading means.

10 36. A memory medium for storing a program readable by an
information processing apparatus, the program comprising
an image process of performing image processing for read
data read by image reading means,

said image process including the steps of:

15 performing a display for specifying an image output
apparatus connected to a network; and

performing calibration for controlling an image
output condition of the image output apparatus specified
through the display.

20 37. A memory medium for storing a program readable by an
information processing apparatus, the program comprising
an image process of performing image processing for read
data read by image reading means,

25 said image process including:

a step for controlling an operation of each of a
plurality of image output apparatuses connected to a

~~a step for specifying at least one of the image output apparatus from the plurality of image output apparatuses; and~~

~~a step for controlling an image output condition for the image output apparatus specified by said specifying means, based on read data read by said image reading means.~~